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Abstract

Hydraulic transformer

The invention is based on a hydraulic transformer having a housing and having an expeller part in which a plurality of expellers which bound a number of expeller spaces with variable volumes are guided, a cam part on which the expellers are supported, and a valving surface which has three kidney-shaped control slots, one of which is connected to a supply port, one to a working port and one to a reservoir tank port.

The objective is to provide a hydraulic transformer in which complex setting of the transmission ratio is avoided.

The aimed-at objective is achieved according to the invention in that the valving surface can be driven in rotation by means of a drive, and in that of the two components comprising the expeller part and cam element one component is essentially arranged fixedly with respect to the housing and the other component can move freely in terms of two rotational or translatory degrees of freedom within a limited range.